2022 FIRST Global Challenge

Request for Support

Team United Kingdom

We are excited to share the news that a group of students from the College of Richard Collyer in Horsham have been selected to represent the UK at the First Global Robotics Olympiad. The competition will take place in Geneva in October 2022 and the UK will be competing alongside teams from over 180 nations from across the globe. Collyers has previously provided a national team for competitions in the USA and China, and we are very proud to have the opportunity to put Horsham on the world map once again.

About FIRST Global:

FIRST Global is a US-based not-for-profit public charity with a mission to inspire science and technology leadership and innovation in young people from all nations to increase understanding, impress the importance of cooperation, address the world's most pressing issues, and improve quality of life for all. FIRST Global also strives to convince the various national governments and organizations of the world to embrace science, technology, engineering, and mathematics (STEM) education, and to support it by investing in their young adults who will soon begin to make their marks in the world.

A Competition of Collaboration

In the Carbon Capture game, shifting global alliances of six national teams work together to capture and store carbon, demonstrating the collective effort required to protect our shared atmosphere. They then divide into regional alliances to focus on local efforts for long-term storage of CO2 to slow the effects of climate change.

About Team United Kingdom:

The members of Team United Kingdom are all students at the College of Richard Collyer in Horsham, West Sussex, a state-funded sixth-form college. They come from a range of backgrounds and study a variety of subjects, but were brought together by their love of robotics. Some already had a bit of experience, while others were keen to learn. With minimal input from teachers, they have formed an effective team drawing on individual strengths of organisation, coding, engineering, and problem solving. They work excellently as a team, with strong communication skills and mutual respect. As final year students on a two-year programme, they are all dedicated to passing on their expertise to the new intake. They did not benefit from this themselves as the pandemic had broken the chain of experience. They have learnt a lot in their first year as a team and have big ambitions for the coming year.

Student Robotics Competition, Southampton, April 2022

Impact on Participants:

How often do kids with an interest in STEM get to be part of team working together towards a common goal? And how often are they invited to represent their country? This really is a rare opportunity and one which needs your support. All students on the team are planning to study and/or work in a STEM field, and this experience will enable them to work with others with a similar interest, not only on their team, but also from all around the world.

This will also serve as an invaluable experience for the team to cooperate with other STEM-oriented students from a myriad of backgrounds hailing from six continents, further developing inter-cultural skills and the chance to represent the UK in a global competition.

Collyers previously represented the United Kingdom at the 2017 inaugural FIRST Global competition in Washington D.C. The students involved in that competition all speak very positively about the impact it has had on their skill set and career path. Many international links were forged and have been maintained since.

Impact on Community:

For the first time since before the pandemic, our team are able to work with younger students to pass on their skills and experiences. The team have committed to a weekly student-led enrichment group, and their participation in this competition will further fuel the motivation for younger students.

Alongside the 'travelling team' of five students will be many other students in supporting roles as we prepare for the competition.

Representing the college in an international competition would provide more exposure for STEM fields within our local community, and the skills gained from the competition would prove essential not only for the team, but also for future generations of our college's Robotics Team.

The students have created an initial budget:

Description	Total
2022 Team Registration Fee, inclusive of: i. Registration and training materials ii. Robot kit and shipping fees For the official traveling team (five students and two adults) iii. Five-night minimum hotel accommodation in Geneva iv. Meals (during official program) v. Ground transportation (between airport, hotel, and venue)	$10,000 (approx. £8,200)
Flights between UK and Geneva	£800
Customs fees for robot kit (estimated)	£100
UK transportation (including robot)	£200
Materials for our pit area at the event (flags, posters, mascot, promotional items)	£100
Tools for building the robot	£200
Additional robot components, spare parts, battery charger	£100
Team hoodies branded with the logos of all sponsors over $100	£300
Extra meals on days not covered by competition	£400
Mock arena	£200
Reserve funds	£400
Total	**£11,000**

The trips finances will be audited, and any excess amounts at the end of the trip will be reassigned with the approval of the sponsors.

If you feel that you are able to provide any support or sponsorship, we would be very grateful indeed. Below we have detailed three suggested tiers of sponsorship, however, we are open to any suggestions or ideas you may have.

Donation Amount	Benefits
Tier 1: Donations £100-£499	• Sponsor name included in team-generated materials, on robot, in team press releases, on website, and in team social media posts • Team-generated personalized thank you letter and photos from the competition, letter of how the team did, and how their support made the team's success possible • Team will mention the sponsor in interviews • Team will invite sponsors to visit college to observe a build session or a robot demonstration
Tier 2: Donations £500-£999	• Includes all benefits affiliated with Tier 1 • Team generated video from the competition • Teams will decorate their pit area with team-generated signage to thank sponsors
Tier 3: Donations over £1000	• Includes all benefits affiliated with Tier 1 and Tier 2 • Team will agree to a presentation and robot demonstration at sponsor location • Team will invite sponsor to visit the 2022 FIRST Global Challenge

Thank you so much for considering our request and thank you in advance for any support you may be able to offer.

If you have any questions at all, please contact:

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